

REMARKS/ARGUMENTS

This Amendment is being filed in response to the Office Action dated April 27, 2011. Reconsideration and allowance of the application in view of the amendments made above and the remarks to follow are respectfully requested.

Claims 1-23 are pending in the Application. Claims 1 and 19 are independent claims. By means of the present amendment, the claims are amended including for better conformance to U.S. practice, such as deleting reference numerals typically used in European practice that are known to not limit the scope of the claims. Further amendments include correcting certain informalities noted upon review of the claims. By these amendments, the claims are not amended to address issues of patentability and Applicant respectfully reserves all rights under the Doctrine of Equivalents. Applicant furthermore reserves the right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Applicant thanks the Examiner for acknowledging the claim for priority and receipt of certified copies of all the priority documents.

In the Office Action, claims 19-22 are rejected under 35 U.S.C. §102(b) over U.S. Patent No. 5,696,552 to Aritake et al. ("Aritake"). Claims 1-9 and 13-15 are rejected under 35 U.S.C. §103(a) over Aritake in view of U.S. Patent No. 5,808,792 to Woodgate et al. ("Woodgate"). Claims 10-12 are rejected under 35 U.S.C. §103(a) over Aritake in view of Woodgate and further in view of U.S. Patent No. 4,163,990 to Hodges ("Hodges"). Claims 16-17 are rejected under 35 U.S.C. §103(a) over Aritake in view of Woodgate and further in view of U.S. Patent No. 5,111,103 to DuBrucq ("DuBrucq"). Claims 18 and 23 are rejected

under 35 U.S.C. §103(a) over Aritake in view of Woodgate and further in view of U.S. Patent No. 5,465,175 Woodgate et al. ("Woodgate2"). These rejections are respectfully traversed. It is respectfully submitted that the rejected claims are allowable for at least the following reasons.

Aritake describes displaying a 2-dimensional image and a beam deflector arranged closely in front of the image display (see, Aritake, abstract). At col. 16, lines 1-5 Aritake discloses a rotating galvano mirror 124 shown in Fig. 35. The Office Action states that the galvano mirror 124 of Aritake describes the rotary mirror element of claims 8 and 9 and of claims 1 and 19 as amended. However, as illustrated in Figures 33 and 35 of Aritake the galvano mirror 124 is positioned between the image and phase displays 120 and 122 and the lens system and the lenticular lens 126 and 112. Accordingly, a display light from each pixel of the image display 120 is deflected by the phase display 122 and scanned in the vertical direction by the galvano mirror 124 to be formed onto the Lenticular lens 112.

In sharp contrast to Aritake, claim 1 recites "at least one display unit for producing a beam" and "an optical lens arrangement configured to direct the beam from the different elemental regions into respective divergent beams corresponding to the view directions". Thus, the optical lens arrangement as for example recited in claim 7, "comprises lenticular lenses". Further, claim 1 recites, "an optical scanning system having a rotary mirror element to receive the divergent beams from the lens arrangement". In sharp contrast, Aritake discloses the display light sent from the galvano mirror 124 to the lenticular lens 112, while claim 1 contrarily recites the beam being directed from the different elemental regions to the optical lens arrangement (e.g., lenticular lenses).

Furthermore, claim 1 recites "a control unit connected to the driver for changing a tilt of the rotary mirror element between each 2D frame display, causing the rows of the 2D frame to successively display as rows of a 3D image frame". Such control of "a tilt of the rotary mirror element between each 2D frame display" is not disclosed in Aritake.

Woodgate is cited for disclosing "a display and optical lens arrangement". (See, Office Action, page 4 over to page 5.) As such, Woodgate does not remedy the above noted deficiencies of Aritake.

It is respectfully submitted that the claims are not anticipated or made obvious by the teachings of the presented prior art references. For example, Aritake in view of Woodgate does not teach, disclose or suggest, amongst other patentable elements, (illustrative emphasis added) "at least one display unit for producing a beam of a 2D frame including at least one row of an array of pixels including sub-pixels corresponding to elemental regions of the image in different view directions; an optical lens arrangement configured to direct the beam from the different elemental regions into respective divergent beams corresponding to the view directions; a driver connected to the display unit to drive the pixels of the display unit so as to refresh the 2D frame; an optical scanning system having a rotary mirror element to receive the divergent beams from the lens arrangement; and a control unit connected to the driver for changing a tilt of the rotary mirror element between each 2D frame display, causing the rows of the 2D frame to successively display as rows of a 3D image frame." as recited in claim 1 and as similarly recited in claim 19.

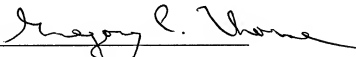
Hodges, DuBrucq, and Woodgate2 are introduced for allegedly showing elements of the dependent claims and as such, do not cure the deficiencies in Aritake and Woodgate.

Based on the foregoing, the Applicant respectfully submits that the independent claims are patentable and notice to this effect is earnestly solicited. The dependent claims respectively depend from one of the independent claims and accordingly are allowable for at least this reason as well as for the separately patentable elements contained in each of the claims. Accordingly, separate consideration of each of the dependent claims is respectfully requested.

In addition, Applicant denies any statement, position or averment of the Examiner that is not specifically addressed by the foregoing argument and response. Any rejections and/or points of argument not addressed would appear to be moot in view of the presented remarks. However, the Applicant reserves the right to submit further arguments in support of the above stated position, should that become necessary. No arguments are waived and none of the Examiner's statements are conceded.

Applicant has made a diligent and sincere effort to place this application in condition for immediate allowance and notice to this effect is earnestly solicited.

Respectfully submitted,

By 

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